NPIC/TSSG/DED-1731-69
23 July 69

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Proposed Contract with [redacted] for 25X1
Repair and Alignment of the Stages of an [redacted] 25X1
Fiber-Optics Viewer (Stereo Comparator) at a Cost of
25X1 [redacted]

1. This memorandum requests approval for the commitment of funds for a contract. The specific request is stated in Paragraph 7.

2. During FY-67, several Fiber-Optics Viewers were procured from [redacted] 25X1
25X1 [redacted] These instruments were designed for the stereo viewing of roll film. Subsequently one of the viewers, presently in IEG, was modified so that the instrument would be capable of measuring information found on imagery. Peripheral digitizing equipment was added to provide an on-line capability to the central computer and to allow visual readout of the X and Y distances measured. However, since it was originally designed for viewing and not mensuration, the instrument had not been assembled and aligned in such manner as to allow measurements to the precision desired. [redacted] 25X1
25X1 [redacted] was engaged to determine and report on the inaccuracies of the viewer. This report indicated the necessity for mechanical alignment.

3. The proposed project will determine the extent of repairs needed on the Fiber-Optics Viewer, indicate the measuring accuracy to be expected, and mechanically align the instrument so as to attain the expected accuracy. Completion of the project will provide IEG with a required additional capability for the mensuration of exploitation imagery. The total time anticipated for completion of the work is 2 months from the contract date. There is very little technical risk involved in this project.

25X1 4. [redacted] was the original designer and builder of the Fiber-Optics Viewers. In response to our request, the company submitted a technical and cost proposal which appears satisfactory to the Development and Engineering Division. Cost for the project has been estimated to be [redacted] 25X1
25X1 [redacted] expects that any necessary support from Center personnel and shop facilities will be provided. The estimate does not include costs for any major repairs or component replacement determined to be necessary during per-
25X1 formance of the contract. [redacted] will provide appropriate estimates if repair or replacement is found necessary. The Contracting Officer will be requested to negotiate this contract in two phases. Phase I will determine the

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extent of repairs required, general condition of the instrument, and determine the measuring accuracy to be expected after reconditioning and mechanical alignment. Cost of this phase is estimated to be [redacted] Phase II will recondition and mechanically align the viewer. Cost of this phase is estimated to be [redacted] Work on Phase II will proceed only if the expected mensuration accuracy for the instrument, determined during Phase I, is satisfactory to IEG. 25X1 25X1

5. The proposed project is in response to the stated need by IEG for gaining additional mensuration capability by means of a digitized Fiber Optics Viewer.

25X1 [redacted]

7. It is requested that approval be granted to negotiate with [redacted] 25X1
25X1 [redacted] a contract to conduct the program described at a cost not to

25X1 [redacted]
Chief, Technical Services & Support Group,
NPIC

APPROVED: _____ _____
[redacted]
Director
National Photographic Interpretation Center
Date

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